The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 16. (canceled)

17. (Currently amended) A reductant injection system for reducing exhaust gas NO_x in lean-burn engines, comprising:

a catalytic reactor having an inlet end which receives exhaust gas containing NO_x ,an outlet end which outputs converted exhaust gas, and a port;

a catalyst mounted inside the catalytic reactor for reducing NO_x in the received exhaust gases to N_2 in the presence of a fuel, wherein the catalyst comprises a perovskite compound represented by the formula $AB_{1-x}PM_xO_3$, where A is a rare-earth metal, B is a transition metal, PM is a precious metal, and O is oxygen, and is positioned downstream of the port in catalytic reactor; and

a fuel injector coupled to the port in the catalytic reactor and being positioned upstream of the catalyst , wherein the fuel injector injects diesel fuel in the exhaust gas prior to the exhaust gas passing through the catalyst, wherein the fuel is used as a reductant.

18. (Previously amended) The system of claim 17, further comprising a partial oxidation catalyst mounted downstream of the catalyst.

19. (canceled)

20. (canceled)

21. (Currently amended) The system of claim ~~20~~ 17, wherein A comprises lanthanum, B comprises manganese, PM comprises ruthenium, and x ranges from about 0.01 to 0.3.

22.-62. (cancelled)